

# SWETA AGRAWAL

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## EDUCATION

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<b>Ph.D. in Computer Science</b> University of Maryland, College Park (CGPA: <b>3.94</b> /4.0) <i>Advisor:</i> Marine Carpuat	August 2018 - Present
<b>Masters in Computer Science</b> University of Maryland, College Park (CGPA: <b>3.94</b> /4.0) <i>Advisor:</i> Marine Carpuat	August 2018 - May 2020
<b>Bachelor of Technology in Computer Science and Engineering</b> Indian Institute of Technology Guwahati (CGPA: <b>9.30</b> /10.0) <i>Advisor:</i> Amit Awekar	July 2013 - May 2017

## EXPERIENCE

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<b>Research Intern</b> , Meta Research	June 2022 - December 2022
<b>Research Intern</b> , Google Montreal	June 2021 - December 2021
<b>Research Intern</b> , Google Montreal	June 2020 - December 2020
<b>Member of Technical Staff</b> , Adobe Systems, Noida, India	June 2017 - July 2018
<b>Research Intern</b> , Adobe Systems, Bangalore, India	May 2016 - July 2016
<b>Research Intern</b> , Summer Research Fellowship Program, IIT Kanpur	May 2015 - July 2015

## PUBLICATIONS

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- [1] **Sweta Agrawal**, Chunting Zhou, Mike Lewis, Luke Zettlemoyer, and Marjan Ghazvininejad. *In-context Examples Selection for Machine Translation*. arXiv preprint (2022).
- [2] **Sweta Agrawal**, Julia Kreutzer and Colin Cherry. *Exploring the Benefits and Limitations of Multilinguality for Non-autoregressive Machine Translation*. WMT 2022.
- [3] **Sweta Agrawal**, Nikita Mehandru, Niloufar Salehi, and Marine Carpuat. *Quality Estimation via Backtranslation at the WMT 2022 Quality Estimation Task*. WMT 2022.
- [4] **Sweta Agrawal** and Marine Carpuat. *An Imitation Learning Curriculum for Text Editing with Non-Autoregressive Models*. ACL 2022.
- [5] **Sweta Agrawal**, Weijia Xu and Marine Carpuat. *A Non-Autoregressive Edit-Based Approach to Controllable Text Simplification*. Findings of ACL 2021.
- [6] **Sweta Agrawal**, George Foster, Markus Freitag and Colin Cherry. *Assessing Reference-Free Peer Evaluation for Machine Translation*. NAACL 2021.
- [7] **Sweta Agrawal** and Marine Carpuat. *Generating Diverse Translations via Weighted Fine-tuning and Hypotheses Filtering for the Duolingo STAPLE Task*. WNGT 2020.
- [8] **Sweta Agrawal** and Marine Carpuat. *Controlling Text Complexity in Neural Machine Translation*. EMNLP-IJCNLP 2019.
- [9] **Sweta Agrawal** and Amit Awekar. *Deep learning for detecting cyberbullying across multiple social media platforms*. ECIR 2018.

## PUBLICATIONS (CONT.)

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- [10] Weijia Xu, **Sweta Agrawal**, Eleftheria Briakou, Marianna J. Martindale, and Marine Carpuat. *Understanding and Detecting Hallucinations in Neural Machine Translation via Model Inspection*. To appear in TACL 2023.
- [11] Elijah Rippeth, **Sweta Agrawal** and Marine Carpuat. *Controlling Translation Formality Using Pre-trained Multilingual Language Models*. IWSLT 2022.
- [12] Nikita Mehandru, **Sweta Agrawal**, Niloufar Salehi and Marine Carpuat. *Evaluating the Quality of Machine Translation in Medical Settings*. 2nd HCI+NLP Workshop, NAACL 2022.
- [13] Eleftheria Briakou, **Sweta Agrawal**, Joel Tetreault and Marine Carpuat. *Evaluating the Evaluation Metrics for Style Transfer: A Case Study in Multilingual Formality Transfer*. EMNLP 2021.
- [14] Eleftheria Briakou, **Sweta Agrawal**, Ke Zhang, Joel Tetreault and Marine Carpuat. *A Review of Human Evaluation for Style Transfer*. GEM 2021.
- [15] Ankur Garg, Sunav Choudhary, Payal Bajaj, **Sweta Agrawal**, Abhishek Kedia, and Shubham Agarwal, *Smart Geo-Fencing Using Location Sensitive Product Affinity*, ACM SIGSPATIAL, 2017.

## PATENTS

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- [1] Chetan Nanda, **Sweta Agrawal**, Ramesh P B, *Temporal Color Correction using Machine Learning*, USPTO.
- [2] Ankur Garg, **Sweta Agrawal**, Payal Bajaj, Abhishek Kedia, and Shubham Agarwal, *Smart Geo-Fencing Using Location Sensitive Product Affinity*, USPTO.

## TEACHING EXPERIENCE

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Graduate Courses	Artificial Intelligence Planning (Spring 2020), Multilingual Natural Language Processing (Spring 2021)
Undergraduate Courses	Natural Language Processing (Fall 2018), Deep Learning (Spring 2019), Data Science (Fall 2020)

## ACADEMIC SERVICE

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Reviewer	ARR 2021-22; ACL 2021-23; EMNLP 2020-22; NAACL 2022
Program Committee	SPNLP 2020; TSAR 2022; W-NUT 2020-22
Organizer	Formality Shared Task 2023; MASC-SLL 2022
Mentor	Technica 2022